

AMENDMENTS TO THE CLAIMS

Please replace all prior versions, and listings, of claims in the application with the following list of claims. Additions are indicated by underlining and deletions are indicated by strikeouts and/or double bracketing.

1. (Original) A system comprising:

a polymeric article including a three-dimensionally periodic structure of a plurality of periodically occurring separate domains, with at least a first and a second domain each being topologically continuous, and with said first domain comprising a polymeric species containing an inorganic species capable of forming a ceramic oxide, said inorganic species present in an amount of at least about 3 atomic% based on the total number of atoms in the first domain.

2. – 16. (Cancelled)

17. (Previously Presented) The system of claim 1, wherein the first and second domains of the polymeric article comprise a block copolymeric species having at least two blocks A and B that are assembled into the first and second domains respectively.

18. – 22. (Cancelled)

23. (Previously presented) The system of claim 1, wherein said polymeric species has a glass transition temperature of at least about 0 degrees C.

24. (Previously presented) The system of claim 1, wherein the polymeric species comprise polymers having an average molecular weight of at least about 30,000 Da.

25. – 148. (Cancelled)